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The FEMP Monthly Update is available on the Internet at www.eren.doe.gov/femp/resources/update.html.

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

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Short-Term Energy Outlook, Energy Information Administration, November 2001.

According to EIA's November *Short-Term Energy Outlook*, world oil prices declined in October by an average of \$4 to \$5 per barrel. Monthly crude oil prices are forecast to stabilize at current levels until spring of next year. Prices should increase in the second half of 2002 as U.S. and world demand for oil increases.

The third quarter demand for petroleum was weaker than predicted. Declining demand for petroleum is most attributable to the decrease in jet fuel demand as a result of the September 11th terrorist attacks. Jet fuel accounts for more than one quarter of the terrorist-related decline in demand for petroleum products.

In gasoline news, average retail gasoline prices dropped by 20 cents per gallon from September to October. EIA expects pump prices to increase about 22 cents per gallon from December to next June as the driving season begins. However, retail prices for gasoline are expected to be 20 cents per gallon lower during the next driving season than during last year's driving season.

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NOTABLE QUOTES

"ENERGY STAR[®] represents a huge success for the environment and for consumers.... The manufacturers, retailers and energy providers who partner with the U.S. government in ENERGY STAR[®] provide quality products and give consumers energy savings choices in lighting and appliances."

*Secretary Spencer Abraham at
the November 9-10 ENERGY
STAR[®] Product Expo*

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DID YOU KNOW?

The Bonneville Power Administration has signed an agreement with SeaWest Windpower of San Diego, to purchase the output of a wind project

CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress is scheduled to be in session until at least December 7 to address FY 2002 appropriations. Limited activity of interest has been scheduled, as described below.

HOUSE

H.R. 3338 FY 2002 Defense Appropriations – Considered and approved by the full House on November 28

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FY 2001 APPROPRIATIONS

- See [Attachment A](#) – Status of FY 2002 Appropriations Bills

To date, six of the 13 annual appropriations bills have been signed by the President. Nine of the bills include funding for energy efficiency and renewable energy programs and/or funding for Federal facility construction and renovation projects. Provided below is an update on four bills, two of which have approved House/Senate conference reports, one was recently signed by the President, and the fourth bill has been approved by the House.

H. Rpt.107-275 – FY 2002 Agriculture, Rural Development, Food and Drug Administration, and Related Agencies (Conference report approved by the House and Senate)

Department of Agriculture

- Agriculture Buildings and Facilities and Rental Payments - \$187.647 million
- Agriculture Research Service, Buildings and Facilities - \$118.987 million
- Animal and Plant Health Inspection Service, Buildings and Facilities - \$7.189 million

DOE BULLETIN BOARD

under construction in Gilliam County, Oregon. Once completed, the 49.8 megawatt project will be the largest wind project constructed in Oregon. The first stage of the project is due to be completed at the end of this year. (Source: *DOE Press Room*, November 14, 2001)

Holiday lights use about 1,000 megawatts of energy, about the same amount produced by a typical nuclear power plant. (Source: *Associated Press*, November 23, 2001)

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NEW ON THE FEMP HOME PAGE

- **Everything you want to know about [Energy 2002](#) is now online! FEMP, the Department of Defense, and the General Services Administration will co-host the fifth annual Energy Workshop and Exposition in Palm Springs, California, on June 2-5, 2002.**

- **The annual conference on [Labs21](#) has been rescheduled to January 8-10, 2002, at the Hotel Washington, in Washington, DC.** Laboratories for the 21st Century (Labs21) is a voluntary program dedicated to improving the environmental performance of U.S. laboratories. Sponsored by FEMP and the EPA, Labs21 improves laboratory energy and water efficiency, encourages the use of renewable energy sources, and promotes environmental stewardship. Each year, EPA and DOE host a conference at which stakeholders come together to share ideas and learn about the latest developments and technologies in laboratory energy and water efficiency.
- FEMP and the [Office of Building Technologies, State and Community Programs](#) are sponsoring the Unitary Air Conditioner Technology Procurement to promote high-efficiency unitary "[rooftop](#)" [air conditioners](#). DOE has teamed with the [Defense Logistics Agency](#) to issue a Request for Proposals for equipment that meets specified performance requirements and maximizes life-cycle cost-effectiveness
- View this week's [Insights](#) at the FEMP site.

Health and Human Services

- Food and Drug Administration - \$34.281 million

H. Rpt. 107-278 – FY 2002 Appropriations for Commerce, Justice, State, and the Judiciary
(Conference report approved by the House and Senate)

Department of Justice

- U.S. Marshals Service, Construction - \$15 million
- Federal Bureau of Investigation, Construction - \$33.791 million
- Immigration and Naturalization Service, Construction - \$128.454 million
- Federal Prison System, Buildings and Facilities - \$813.552 million

Department of Commerce

- National Institute of Standards and Technology, Construction of Research Facilities - \$62.393 million
- National Oceanic and Atmospheric Administration, Facilities - Unspecified funding to support NOAA facilities

Department of State

- Embassy Security, Construction, and Maintenance - \$1.274 billion (for both owned and leased facilities)

P.L. 107-__ - FY 2002 Appropriations Veterans' Administration, Housing and Urban Development, and Independent Agencies
(Signed by the President on November 26) - \$112.7 Billion

Department of Veterans' Affairs

- Major Construction - \$183.180 million (includes \$60 million for Capital Asset Realignment for Enhanced Services)
- Minor Construction - \$210.9 million (includes \$25 million for Capital Asset Realignment for Enhanced Services)

Environmental Protection Agency

- Buildings and Facilities - \$25.318 million

H.R. 3338 – FY 2002 Appropriations for Defense (Approved by the House)

Military Construction

- Army - \$ 55.7 million
- Air Force - \$47.7 million

Defense-Wide Energy Sustainability Audits – Provides \$3 million to implement an aggressive energy conservation program that performs energy and sustainability audits of facilities throughout the military services. The committee provided funding in the FY 2001 Supplemental Appropriations to perform these activities in areas of the Western power grid and recommends funding in this bill to expand the designated effort to installations nationwide.

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Energy Legislation The Senate has yet to produce an energy bill, and **according to Majority Leader Tom Daschle (D/SC), “There will be no opportunity to take (energy policy) up until the first block of time in the second session.”** Senate Republicans have looked at attaching energy provisions to a number of bills including a pending economic stimulus package and *S. 1628*, a farm bill. However, little progress has been made, and Midwestern legislators are not expected to support attaching energy legislation to a farm bill. The House passed *H.R. 4 – Securing American’s Energy Future Act*, on August 2; this bill provides comprehensive language addressing the full spectrum of energy issues for oil and gas drilling to energy efficiency and renewable energy. Senate Republicans support the bill, but Democrats do not.

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

- See [Attachment B](#) – New Legislation of Interest to FEMP

No new information of interest to report.

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HEARINGS OF INTEREST OF FEMP

- See [Attachment C](#) – Hearings of Interest to FEMP

No new information of interest to report.

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FEDERAL AGENCY **ACTIVITIES**

FEDERAL ENERGY REGULATORY COMMISSION

FERC recently issued an order that would streamline the RTO formation process. The first step will involve establishing RTO functions and how these functions will be implemented. FERC will solicit input from state and Federal agencies on RTO development and will conduct a cost-benefit analysis of RTO systems. An assessment of RTO development by region will also be conducted. (Source: *Megawatt Daily*, November 8, 2001; *EnergyWashington.com Today*, November 8, 2001)

FERC has assumed control of the California Department of Water Resources (DWR), a move that will require the state agency to file a tariff schedule with FERC along with other market participants. FERC has also ruled that DWR should not be eligible to receive information that is not available to other market players. (Source: Reuters, November 20, 2001)

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DEPARTMENT OF ENERGY

DOE's Office of Power Technologies (OPT) plans to conduct a Solar Buildings Peer Review on December 3-4 in Golden, Colorado. The purpose of the review is "to provide an independent, objective assessment of DOE's solar buildings research, development, demonstration, and commercialization program." The agenda will include presentations by ten organizational recipients of OPT funding, including national laboratories, universities, and energy-related companies. The agenda will cover a range of topics including solar thermal systems, hybrid solar lighting, and zero energy buildings. For additional information, contact Kara Mulholland at kmulholland@energetics.com or at (202) 406-4111.

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ENVIRONMENTAL PROTECTION AGENCY

On November 15th EPA Administrator Christine Whitman announced a new ENERGY STAR[®] performance-rating tool for hospitals. The tool will allow hospitals for the first time to benchmark their energy performance against other hospitals nationwide. These tools will also help hospitals set goals for improvement and track their progress online using EPA's portfolio manager. Top performers will be able to display the ENERGY STAR[®] label. It is estimated that, if hospitals improved their energy efficiency by an average of 30 percent, 11 million fewer tons of carbon dioxide would be emitted and annual electricity saved could amount to nearly \$1 billion. For more information, contact Dave Ryan at (202) 564-7827. (Source: *PR Newswire*, November 15, 2001)

In early November, Administrator Whitman also announced a new national campaign to promote energy-efficient technologies and practices at home and in the work environment. ENERGY STAR[®] will be one of the key drivers in the campaign, with the message "Look to ENERGY STAR[®] to make a change." The ENERGY STAR[®] web site (www.energystar.gov) provides information on five energy efficiency recommendations as part of the campaign:

- Put Your Home to the Test

- Change a Light
- Heat and Cool Smartly
- Seal It Up
- Look for the ENERGY STAR[®]

The 2002 ENERGY STAR[®] Awards Ceremony will be held on March 26, 2002, in Washington, DC. Applications must be submitted by December 17. The annual event is co-sponsored by the Department of Energy and the Environmental Protection Agency. Award categories include:

- **Efficient Products** (Partner of the Year-Product Manufacturer, Partner of the Year-Retailer, Change A Light – Change the World Award)
- **Efficient Buildings/Facilities – Award for Excellence** (Energy Management, Business and Public Education, Service and Product Provider Performance)
- **Efficient Homes** – Award for Excellence (New Home, Home Improvement)
- **Overall Excellence** (Consumer Education, ENERGY STAR[®] Corporate Commitment Award)

For additional information, including the process for submitting an application, refer to the program web site at www.energystar.gov. (Source: EPA Press Releases, November 2002)

ATLANTA REGION

Solar and Renewable Energy Projects

Patrick Air Force Base in Florida plans to construct two to three wind generators. The project will include installation of an electric variable boiler in the desalination plant, a 1,500k Volts Amps Reactive (VAR) of Synchronous Condenser to supply VAR to the Island distribution system during operation with the wind farm, and a wind/diesel plant system master operator workstation system in the main power plant control room. The goal is to provide the site with a minimum of 5,300,000 kWh of electricity on an annual basis. Consult with Johnny Bellina at 321-494-9943 for additional information on Solicitation Number F08650-01111-R-A001.

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BOSTON REGION

No activities of interest to FEMP.

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CHICAGO REGION

No activities of interest to FEMP.

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DENVER REGION

Utility/DSM Activities

The Internal Revenue Service is seeking a natural gas service provider for three facilities in Austin, Texas. For more information, contact Kristina Greene at (972) 308-1887 and refer to Solicitation Number TIRMS-02-Q-00038.

Solar and Renewable Energy Projects

U.S. Army Corps of Engineers Construction Engineering Research Laboratory has provided funding to install three three-kilowatt proton exchange membrane fuel cells at Brooks Air Force Base in San Antonio, Texas. Each fuel cell will power a base housing unit. Additional benefits of the \$500,000 contract will entail providing a fuel cell education program for St. Philips College, providing project feedback on fuel cell performance, and marketing fuel cell technology to San Antonio residents. (Source: *PR Newswire*, November 8, 2001)

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PHILADELPHIA REGION

Utility/DSM Activities

The National Institutes of Health plans to acquire natural gas service for Building 11 at the agency's Bethesda, Maryland, campus. The intent is to secure 40,000 Mcf/day at 100 to 390 psig. The contractor will be required to prepare a performance-based statement of work; provide financing; prepare documents to obtain regulatory approvals; and design, construct, and maintain natural gas service to the site. For more information, contact Kenneth Roman at (301) 435-4332 and refer to Solicitation 263-01-P(HA)-0009.

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SEATTLE REGION

No activities of interest to FEMP.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

► General State Activities

The State of Louisiana may enter into a partial electric deregulation plan that would permit customers using over five kilowatts of energy to shop for competitive rates. The Public Service Commission will consider a proposal that would allow large energy consumers to leave the regulated market every two years beginning in 2003. Companies may be hesitant to build cogeneration plants under the deregulation plan because of the PSC's inability to establish a stranded cost fee structure. (Source: *New Orleans CityBusiness*, November 19, 2001)

The Public Service Commission of Mississippi has restated its position that the state will not deregulate its electric market in the near future. The commission believes that the state must have more generation options if deregulation is to succeed. Commissioner Nielsen Cochran noted that deregulation would trigger higher electric prices in the state. (Source: *The Commercial Appeal*, Memphis, TN, November 17, 2001)

► *Status of Utility-Related Activities*

Three Florida utilities have been asked by the Public Service Commission (PSC) to release their power line jurisdiction to an independent system operator. Tampa Electric, Florida Power and Light, and the Florida Power Corporation have until the end of the year to collectively determine how they will go about devolving their power line authority. (Source: *Palm Beach Post*, November 15, 2001)

Florida's Energy 2020 Study Commission submitted its final report to the Florida Legislature recommending that out-of-state electricity suppliers be given authority to access Florida's electric market. Provisions of the report would enable in-state utilities to sell power plants to competitors and would allow other companies to build merchant power plants in the state and sell to out-of-state consumers. Other recommendations include requiring the Department of Environmental Protection to oversee power plant approval rather than the Governor and requiring an entity other than utilities to operate transmission lines. If the recommendations become law, "full wholesale competition could be in place six years after... with retail legislation to follow several years later." (Source: *Electricity Daily*, November 5, 2001, and November 26, 2001)

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BOSTON REGION

► *General State Activities*

Rhode Island has stepped up its green power marketing by providing \$350,000 for the development of green power educational materials and the establishment of green power buying groups. Green power marketers who sign up small businesses and residential customers are also eligible for rebates from the Rhode Island Renewable Energy Collaborative. (Source: *Green Power Marketing Monthly Update*, October 2001)

► *Status of Utility-Related Activities*

Atlantic Renewable Energy Resources is completing twenty 1.5-megawatt wind turbine/generators in New York, resulting in 30 megawatts of additional green power for CHI Energy Inc. The plants are being constructed in Fenner, New York, and will be completed in the month of November. Six other renewable projects are being planned by the developer. (Source: *Business Wire*, October 31, 2001)

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CHICAGO REGION

► *General State Activities*

According to Greenpeace, Illinois ranks fourth in the country for planned solar electric systems (2,499 kilowatt hours) and sixth for solar electric systems already installed (526 kilowatt hours). (Source: *Chicago Sun-Times*, November 9, 2001)

Consumers in Indiana expressed opposition to electricity deregulation. The peaceful protestors claimed "We don't think [deregulation will] make prices lower, it'll make them go higher." The demonstration, led by members of the People's Energy Campaign, was launched in response to an

initiative by the Indiana State Legislature to create an Energy Policy Commission responsible for drafting a comprehensive state energy plan. The Energy Policy Commission would be comprised of state government representatives and industry, labor, and environmental groups. (Source: *Evansville Courier and Press*, November 6, 2001; *2001 Restructuring Activities by State*, Indiana Utility Commission, October 31, 2001)

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DENVER REGION

► *Status of Utility-Related Activities*

The State of Oklahoma's Electric Restructuring Advisory committee, which determines the future of Oklahoma's transmission system, heard testimony from industry officials who stated that the state's transmission system may not be able to handle projected increased load. Oak Ridge National Laboratory reported that the state will experience electric demand growth by 26 percent by 2010; current transmission infrastructure will be insufficient to handle this growth. Further compounding the problem is that power companies have scheduled 13,500 megawatts of new power generation to go online over the next few years. To correct for the lack of transmission infrastructure, the Calpine Corporation and Public Service Company of New Mexico will collectively spend \$60 million on transmission improvements. (Source: *Tulsa World*, November 8, 2001)

The Public Utility Commission of Texas received a statement from nine electricity providers claiming that it is unnecessary to delay deregulation. They argue that considerable funds have already been spent on advertising, power supply contracts, and staff. In addition, a delay could create financial setbacks for those providers scheduled to participate in a competitive market and could confuse customers. (Source: *Knight Ridder Tribune*, October 27, 2001)

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PHILADELPHIA REGION

No activities of interest to FEMP.

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SEATTLE REGION

► *General State Activities*

A deflated Californian economy has led Governor Gray Davis (D) to slash \$400 million in energy-related programs from the state budget. Governor Davis' plans to speed up power plant construction, provide financial assistance to low-income electric customers, and to fund other alternative energy programs will be postponed. (Source: *Electricity Daily*, November 20, 2001)

Green power officials claim that the State of California often opted into traditional power contracts in the recent energy crisis and "deliberately passed over contracts with renewable energy generators." Consequently, renewable energy generators may now have difficulty entering into contracts because the state has ensured that traditional generators can meet the state's energy needs. (Source: *Greenwire*, November 7, 2001)

The City of San Francisco passed two renewable energy initiatives that will allow the city to boast of its new status as the nation's largest municipal solar power network. Under the auspices of Proposition B and Proposition H, the city may issue \$100 million in revenue bonds to develop solar and wind power systems for municipal structures. In addition, city administrators may now issue bonds for

renewable energy projects at their own discretion rather than waiting for public approval. The infusion of new solar and wind power may eventually produce up to 50 megawatts of energy for San Francisco over the next three years. (Source: *San Francisco Chronicle*, November 7, 2001)

The California Consumer Power and Financing Authority (CCPFA) has expressed interest in installing meters that charge consumers via “real time” pricing. While wholesale electric prices vary throughout the day, consumers currently pay one standard rate. Consumers are likely to respond to fluctuations in rates and would, therefore, reduce their consumption at peak hours when rates are highest. The CCPFA will market the meters to customers of municipal utilities and Pacific Gas & Electric, Southern California Edison, and San Diego Electric & Gas. Kevin Wood, project manager for Southern California Edison (SCE), commented that customers have the ability to lower wholesale rates, given the opportunity to respond to price signals. (Source: *Dow Jones Newswire*, November 6, 2001)

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UTILITIES AND SUPPLIER ACTIVITIES

ATLANTA REGION

► *Restructuring Activities*

The Florida Public Service Commission has launched an extensive review of Florida Power’s electric rates, an act that will force the utility to stow away \$98 million for customer refunds if “the utility earns excess profits” while under investigation. Florida Power has the highest residential utility rates in the state for investor-owned utilities; on average, customers pay \$93.41 for 1,000 kilowatt hours. (Source: *Electricity Daily*, November 6, 2001)

The Mississippi Power Company has presented the Arkansas Public Service Commission with a proposal to increase electric rates by 9.5 percent. Money collected from the rate increase will be put toward construction of a \$400 million gas-fired generator in Jackson County. Opponents argue that the money should be used to cut pollution at other plants around the state. The utility will also ask the PSC to increase its return from 11.75 percent to 13.25 percent. (Source: *Electricity Daily*, November 5, 2001)

Florida has come one step closer to deregulating its wholesale market as California’s Calpine Corporation broke ground on its 530 megawatt power plant in Auburndale, Florida. Calpine effectively broke through the state’s rigid Power Plant Siting Act, a law that makes it challenging for an out-of-state power company to enter the Florida market, by consenting to sell all output to the Seminole Electric Cooperative, a Florida utility. (Source: *IssueAlert*, November 14, 2001)

► *Public Benefits Programs*

Florida Power & Light Company (FPL) signed a deal with the National Aeronautics and Space Administration’s (NASA) Kennedy Space Center to integrate conservation measures that will save the Brevard County, Florida, site \$375,000 a year in energy costs. The \$2.5 million spent on improvements in lighting, compressed air, heating, ventilation, and air conditioning will reduce electric use by seven million kilowatt-hours per year. FPL will also provide \$41,307 in lighting replacements and an upgraded facility infrastructure over the life of the project. The utility calculates that the project will have a seven-year payback. (Source: *PR Newswire*, November 20, 2001)

Local officials in Memphis recently announced the creation of a loan program to help low-income residents cut utility costs by making their homes more efficient. The program, called “MaxImpact,” would enable qualified customers of Memphis Light’s Gas & Water Division to get low-interest loans from a revolving fund to pay for insulation, storm windows, and similar improvements aimed at

increasing energy efficiency. LG&W estimates that efficiency improvements could cut utility costs by up to 20 percent in thousands of area homes. (Source: *The Commercial Appeal*, Memphis, TN, November 16, 2001)

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BOSTON REGION

► *Restructuring Activities*

New England witnessed improved operational efficiency and reliability over the past 12 months, according to Gordon van Welie, ISO New England President and CEO. Improvements were attributed to an agreement between ISO New England and the State of New York to share power reserves and through the use of a computer system that is used by the PJM Interconnection. Another 7,500 megawatts of power production is planned or under construction. The ISO recently approved a plan that will implement demand-side response programs and address congestion management issues. (Source: *Business Wire* and *Dow Jones*, October 23, 2001)

► *Public Benefits Programs*

In an initiative that will result in saved energy costs of \$18 million to \$22 million per year, Energy Management Inc. (EMI) is laying out plans to develop 420 megawatts of renewable wind energy off the coast of Nantucket, Massachusetts. The project will include 150 turbines measuring 15 feet in diameter spread through an area of four by six miles located five miles off of Hyannis. EMI notes that the turbines will operate at 34 percent capacity each year because of the fickle nature of the weather in that area. (Source: Reuters, October 30, 2001)

Thirteen Electric Membership Corporations (EMC) in Georgia have banded together to form a new Green Power EMC that will tap biomass, solar, and wind power to generate renewable energy. An EMC is a consumer-owned entity that provides energy and other services to members at cost. Initial Green Power EMC projects will use biomass produced from state landfills, and electric customers may obtain the green power in blocks of 150 kilowatt hours through their local EMC. Over the next 15 years the landfills alone will produce over \$60 million in electricity and power 8,000 homes. (Source: *Business Wire*, November 19, 2001)

The Long Island Power Authority (LIPA) is installing 55 Plug Power-manufactured fuel cells at its West Babylon substation. Electricity generated from the fuel cells will provide energy for the 1.1 million electric customers in Nassau and Suffolk counties. LIPA initiated the project to sustain its 100 megawatt per year increase in electric demand. The fuel cells will produce one million kilowatt hours of electricity over the life of the program. (Source: *Environmental News Network*, November 7, 2001)

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CHICAGO REGION

► *Restructuring Activities*

Consumers' Michigan Electric Corporation sold its transmission system to Trans-Elect and General Electric Capital Global, the first sale of a transmission system to an independent transmission company in U.S. history. New transmission buyers will bring about new transmission line construction and upgrades. The utility's President and COO, David Joos, commented that "the sale of the electric transmission system will allow for complete independence of ownership and operations, consistent with the intent of Michigan's electric restructuring law." Consumers' customers will benefit from the current rate caps through December 31, 2005. Trans-Elect must now choose whether to join the Mid-West System Operator or Alliance RTO. The deal also included a provision requiring Trans-Elect to

work with Detroit Edison to boost Michigan's transmission system by 2,000 megawatts. (Source: *Platts Electric Power Daily* and *Megawatt Daily*, October 26, 2001)

Almost half of Dominion East Ohio's natural gas customers have chosen to buy the commodity from alternative suppliers through the Energy Choice program, and more are expected to switch in the next few months. The 583,997 customers that exercised their power to switch to an alternate supplier have produced \$86 million in first-year savings. For more information on the program, visit the Public Utilities Commission website at www.puc.state.oh.us.

The Northeast Ohio Public Energy Council (NOPEC) and Green Mountain Energy Company have signed an arrangement wherein the alternative energy supplier will service northeastern Ohio with solar and wind-generated electricity. A 25-kilowatt solar array installation providing energy for the 500,000 customers who live in NOPEC communities will be built in Kirtland, Ohio, by the end of this year. Green Mountain Energy Company is also managing a wind study in the service area to assess the feasibility of generating electricity with wind turbines. (Source: *Green Mountain Energy Press Release*, October 25, 2001; *Restructuring Today*, November 15, 2001; *PR Newswire*, November 13, 2001)

Cincinnati Gas & Electric Company customers will experience 30 percent lower natural gas prices this winter compared with last year's rates. Residential customers will witness a \$74.50 decrease in their winter bill. (Source: *Business Wire*, October 29, 2001)

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DENVER REGION

► *Restructuring Activities*

Xcel Energy has now doubled its wind power offering to 60 megawatts with the recent addition of a 30 megawatt generator in northeastern Colorado. Over 17,000 Xcel Energy customers participate in the Windsource program. The utility has also pledged to reduce its electric rates by \$20.4 million per year. An Xcel spokesperson cited the regional trend in rate reduction as a result of the late 1980's Federal requirement that utilities initiate long-term purchase contracts. (Source: *Green Power Marketing Monthly Update*, October 2001)

Austin Energy boosted its wind power offering through the GreenChoice program. Now offering a total of 76.7 megawatts of wind power, Austin Energy has become the "top U.S. utility green pricing program in the country." The utility charges the lowest premium for renewable power of any utility in the country, only six cents per kilowatt hour above the standard fuel rate. (Source: *Green Power Marketing Monthly Update*, October 2001)

Reliant Energy has submitted a proposal to the Texas Public Utility Commission that would effectively reduce the utilities' residential and small business electric rates by 17 percent when the state deregulates in January 2002. Waters Davis, President of Reliant Energy Retail Services, said "We will soon be able to offer savings as well as new products and services, like payment by credit card, that weren't offered before." Approximately 1.7 million Texas electric customers will receive service from Reliant Energy when the retail market opens in January 2002. (Source: *PR Newswire*, November 16, 2001)

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PHILADELPHIA REGION

► *Restructuring Activities*

PECO Energy will reduce its residential natural gas rates by 29 percent on December 1, 2001. The company noted substantial supply increases due to expanded drilling and slower-than-anticipated gas usage from suppliers have helped reduce rates. (Source: *PR Newswire*, November 8, 2001)

► *Public Benefits Programs*

Community Energy Inc. recently signed a 13.2 million kWh wind power contract with Pennsylvania State University, making the school the second largest retail buyer of wind energy in the United States. The wind power is generated at the Exelon-Community Energy Somerset Wind Farm near Pittsburgh. (Source: *Electricity Daily*, October 29, 2001)

The Union Light, Heat and Power Company of Kentucky will offer its customers an 18 percent rate reduction this winter, which will add up to a \$47.10 per month decrease. Lower rates are the result of a current drop in natural gas demand as well as additional gas supply reserves. (Source: *Business Wire*, October 29, 2001)

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SEATTLE REGION

► *Public Benefits Programs*

The Los Angeles Department of Water and Power signed a contractual agreement with Siemens corporation to procure the Spectrum Integrated Meter System (SIMS) for 3,400 businesses within the Los Angeles area. Through funding available from the California Energy Commission, commercial and industrial businesses with peak electricity demand of 200 kilowatts or greater will be eligible for the product. The system can reduce electricity bills by 15 percent while allowing customers to monitor usage on the Internet, forecast energy loads, and receive outage information. Randy Howard, Los Angeles Department of Water and Power's Manager of Commercial Services, commented "We've provided a no-cost solution that gives commercial business the ability to conserve or shift energy use [from] when power demand is high to low-peak, cost-effective time consumption time frames." (Source: *PR Newswire*, October 29, 2001)

The Bonneville Power Administration will begin purchasing 49.8 megawatts of wind power from SeaWest WindPower Inc. over a 20 year period. By the end of May 2002, 83 turbines will be in operation; the first phase will go online as early as December 2001. The project, located in Condon, Oregon, will generate \$15 million for the local community over the life of the venture. (Source: *PR Newswire*, November 15, 2001)

Tacoma Power has begun mailing coupons for energy-efficient compact fluorescent light bulbs and light fixtures to Tacoma residents in their power bills. The coupons, valid until March 1st, can be redeemed at local retail stores and are good for ENERGY STAR[®] products from a variety of manufacturers. The fluorescent bulbs save energy and last ten times longer than regular light bulbs. (Source: *The News Tribune*, Tacoma, Washington, November 15, 2001)

Seattle's City Council recently approved a plan that would give utility customers the option of making monthly donations to a renewable energy fund. Money from the fund would be used to buy energy from renewable resources and pay for projects that support the development and use of renewable energy. The program was prompted by a state law requiring utilities to offer customers the option of investing in "green power." (Source: Associated Press, November 14, 2001)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

The Defense Supply Center recently awarded World Energy the government's first long-term contracts for biodiesel fuel. The biodiesel will be used to power vehicles and equipment in a variety of government fleets, including the U.S. Postal Service, Marines, Air Force, Department of Interior, and Department of Agriculture. World Energy is a leading provider of alternative fuels for Federal, state, utility, transit, municipal, and private fleets. For more information, refer to www.ccities.doe.gov/whats_new.shtml.

The United States Postal Service has revealed it has been testing a hybrid-electric delivery vehicle (HEV). The project began three years ago. Last year, USPS teamed with PEI Electronics, a component supplier to the military. The vehicle currently serves 158 locations within a 31-mile service area in Huntsville, Alabama. (Source: *CALSTART News Notes*, November 6, 2001)

DOE's Regional Biomass Energy Program recently posted eight new success fact sheets on its website. To view them visit <http://www.ott.doe.gov/rbep/success.html>.

Ford Motor Company announced the production of the Th!nk Neighbor Electric Vehicle, a small electric vehicle with a maximum speed of 25 miles per hour. The EV seats up to four passengers and is designed for use in resorts, business parks, or similar settings. The first units will be sold in California. The vehicle can be recharged using a home power outlet in six to eight hours. (Source: *CALSTART News Notes*, November 1, 2001)

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ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

General Announcements

New York, Massachusetts, and Vermont are reconsidering their earlier decision to adopt California's Zero-Emission Vehicle (ZEV) standard. Under California's standard, ten percent of cars sold in the state must be clean-fueled vehicles beginning in 2003, including two percent ZEVs. Under a proposed rule, the three states would delay the deadline until 2007. The proposed rule would also allow automakers to earn interim credits for alternative vehicles. Unlike California's standard, the Northeastern proposal would allow credits for reduced pollution from light trucks, vans, and sport utility vehicles. (Source: *CALSTART News Notes*, November 15, 2001)

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

New Products and Services

This month Solectria Corporation announced the launch of an electric school bus project in Oklahoma City. Secondary students attending Mid-Del Technology Center in Oklahoma City, Oklahoma, will be transported to class in a battery-powered school bus. The Blue Bird school bus will also be used in the Mid-Del's Electric Vehicle Center's adult training classes. DOE and the Mid-Del Technology Center co-funded the project. (Source: www.evworld.com)

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PHILADELPHIA REGION

Infrastructure Activities

On November 14, Maryland's first public access ethanol fueling station opened in the state. The Chevron station located in Laurel, Maryland, will dispense E85, a blend of 85 percent ethanol and 15 percent gasoline. Construction of the project was made possible through a DOE grant to the Maryland Energy Administration. (Source: http://www.ccities.doe.gov/whats_new.shtml)

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SEATTLE REGION

Infrastructure Activities

The National Nuclear Security Administration (NNSA) plans to construct an alternative fuel station at the agency's Nevada facility for further study of the feasibility of compressed hydrogen gas for passenger vehicles. The site contractor, Bechtel Nevada, has issued a request for proposals for the design, fabrication, and installation of a support module for high-pressure hydrogen fuel tanks on the roof of a 27-passenger passenger bus; fuel tanks cannot be installed directly on the roof. A total of eight, 5,000-psig, compressed-hydrogen-gas IMPCO containers will be installed on the 33-foot bus manufactured by the Blue Bird Corporation. For additional information on the NNSA demonstration project, contact Anthony Myers at 702-295-2058 regarding Solicitation Number AJM-01-002.

AFV Fleet Acquisitions

Ten "Hypermini" city electric vehicles were brought to the University of California at Davis campus as part of a new transportation research program. The University of California at Davis's Institute of Transportation Studies and the Nissan Technical Center North America brought the EVs to the campus as part of a one-year study to examine vehicle performance and community interest in city electric vehicles. The two-seat electric cars are designed to transport people around the city while reducing traffic congestion and improving air quality and parking availability. (Source: *CALSTART News Notes*, November 9, 2001)

Foothill Transit, which provides bus service to San Gabriel and Pomona Valleys in Los Angeles County, California, is purchasing 66 new Orion Compressed Natural Gas (CNG) buses. The buses will begin service next year. ENRG, the fuel provider, will build and maintain a CNG refueling station for Foothill Transit. (Source: *CALSTART News Notes*, November 19, 2001)

New Products and Services

Three new hybrid-electric buses are providing service to commuters in Santa Clara, California. Referred to as the "Breathe Easy Express," the buses will shuttle passengers to and from local high-tech

companies. While in service, a pair of 30-kilowatt, propane-fueled microturbines generates electricity to charge the batteries and power the motors. When the buses are not in service, the batteries charge by connecting to the electric grid. The free shuttle service is funded out of the public benefits charge collected from Silicon Valley Power customers. (Source: *CALSTART News Notes*, November 15, 2001)

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ENERGY MANAGEMENT TOOLS AND TECHNOLOGY

➤ See also [Attachment D](#) *New Technologies*.

GENERAL ANNOUNCEMENTS

DG Communications has announced a new magazine for distributed generation, *OnSite Power*. The publication is expected to provide information on the advantages of on-site power for energy managers in all areas of the market, from residential to commercial to industrial. For more information, refer to www.onsitepowermagazine.com.

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SOFTWARE AND TECHNICAL ASSISTANCE TOOLS

The Northwest Energy Efficiency Alliance has announced a \$750,000 commitment to EZConserve, Inc., which this winter will launch a software-based energy management system to reduce energy consumption in organizations with large PC networks. EZConserve's product will ensure the PCs are set at proper levels at night and over the weekends, thus providing control over a source of energy demand that can reach forty-five percent of a company's overall electrical consumption. For more information, contact Michael Thelander at (503) 452-5623 or (503) 708-6070.

HVAC Solution, Inc., of Salt Lake City, Utah, has released calculations and design software that will plan HVAC systems for facilities. The program will do everything from picking the correct size of piping and air handlers to calculating air temperatures and drawing schematics for more efficient systems. For more information, go to www.esmagazine.com/CDA/ArticleInformation/products/BNPPProductItem/0,2508,66258,00.html.

The Watt Stopper has introduced WinControl Software for use with the Complete Control Panel System. The program allows users to administer and control lighting automatically. For more information, refer to www.wattstopper.com.

Peace Software is installing its entire *Energy* suite of programs at Direct Energy, a company operating primarily in Canada and the United States. The programs will allow Direct Energy to utilize the internet and manage its electricity supply. For more information, refer to www.usa.peace.com/media/index.cfm?link=pressrelease&release=111401.

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ENERGY MANAGEMENT SERVICES

Strategic Energy installed the nation's only Energy Management Center wholly dedicated to providing around-the-clock, real-time energy information. The installation will help Strategic Energy to meet their contract with the New Yorker hotel of never charging more than a set ceiling price. For more information, refer to www.sel.com/Supply/Electricity/news/New%20Yorker.htm.

Sempra Energy is helping the Sweetheart Cup Company become more energy efficient by combining new technologies in HVAC, lighting, and compressed air equipment with Sempra's state-of-the-art energy management system. The project is expected to save \$5.5 million in energy costs. Refer to www.seprasolutions.com for more information.

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Attachment E](#) – Calendar of Upcoming Events.

GENERAL ANNOUNCEMENTS

The National Alternative Fuels Training Consortium is holding a showcase, the National Alternative Fuel Vehicle Day Odyssey, in 32 locations across the nation on April 11. The event is designed to showcase the latest trends, options, and opportunities in alternative fuel vehicles. For more information, go to www.nationalafvodysey.org.

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ATLANTA REGION

No activities of interest to FEMP.

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BOSTON REGION

No activities of interest to FEMP.

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CHICAGO REGION

The Federal Utility Partnership Working Group (FUPWG) meeting, sponsored by FEMP, will be held April 16-17 in Omaha, Nebraska. For more information, contact Lori Schwarz of Energetics, Inc., at (216) 751-9631 or via email at lschwarz@energeticsinc.com.

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DENVER REGION

No activities of interest to FEMP.

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PHILADELPHIA REGION

No activities of interest to FEMP.

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SEATTLE REGION

The Association of Energy Engineers is presenting a training conference, **Optimizing Performance of Chilled Water and Air Distribution, in San Francisco on December 10-11**. Topics will include Types of Equipment, System Design, Energy Efficiency and Operational Considerations, and Case Studies. For more information, go to www.aeecenter.org.

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STUDIES, REPORTS, AND ANALYSES

GENERAL

Physical Infrastructure, Crosscutting Issues Planning Conference Report, General Accounting Office, October 2001.

(Note: A discussion by FEMP's Beth Shearer is featured in Appendix XIII of this report.) The report addresses physical infrastructure trends of the 21st century, including those of Federal facilities, housing, postal and telecommunications services, and transportation networks. The GAO sponsored a conference on June 14, 2001, with the premise that "Interrelationships among the nation's infrastructure systems often have not been fully considered during the planning and building of infrastructure." The conference included four panels and 16 panelists (scholars, policy officials, and practitioners) who addressed four general themes:

- Infrastructure needs
- Sustainable development
- Federal facilities
- Promotion of efficiency and access to infrastructure services

To review the report, refer to the GAO web site at www.gao.gov and select report number GAO-02-139.

ENERGY POLICY

Clean Energy: Jobs for America's Future, World Wildlife Fund, November 15, 2001.

According to the report, further development and implementation of policies pertaining to energy efficiency and renewable energy could create 1.3 million new jobs in the United States by 2020. The study, based on data from the U.S. Department of Energy's EIA Energy Outlook and economic and employment projections from the Bureau of Labor Statistics, also shows that a total of 750,000 new jobs would be created over the next nine years and gross domestic product would increase to \$44 billion (net) by 2020. "This study shows that a responsible approach to energy policy can help us meet the challenge of climate change while still benefiting the economy and creating new jobs," said Brooks Yaeger of the World Wildlife Fund. For more information, go to www.wwf.org.

SOLAR AND RENEWABLE ENERGY

Solar Promise, Greenpeace, November 8, 2001.

This study on solar power in the United States focuses on solar-powered photovoltaics and illustrates the potential for more efficient and increased solar power usage in the country. The study also demonstrates the benefits that the U.S. could derive from solar power, including reduced CO₂ emissions and the creation of thousands of new jobs. For a copy of the full report, go to www.greenpeaceusa.org.

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ATTACHMENT A

STATUS OF FY 2002 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

| <i>Jurisdiction/ FY 2002 Budget Request/Final Funding Level</i> | <i>302(b) Allocations</i> | <i>Bill No.</i> | <i>Full Cmte.</i> | <i>Floor</i> | <i>Conf. Report Passed</i> | <i>302(b) Allocations</i> | <i>Bill No.</i> | <i>Full Cmte.</i> | <i>Floor</i> | <i>Conf. Report Passed</i> |
|--|-------------------------------|----------------------|-----------------------|--------------|------------------------------------|-------------------------------|----------------------|-----------------------|--------------|------------------------------------|
| Agriculture \$ 15.409 \$75.794 * | \$ 15.519 | <i>H.R. 2330</i> | June 13 | July 13 | Nov. 13 | \$ 16.092 | <i>S. 1191</i> | July 17 | Oct. 25 | Nov. 15 |
| Commerce \$ 37.944 \$41.635 | \$ 38.541 | <i>H.R. 2500</i> | July 13 | July 19 | Nov. 14 | \$38.760 | <i>S. 1215</i> | July 19 | Sept. 13 | Nov. 15 |
| Defense \$300.962 | \$300.292 | — | Oct. 24 | Nov. 28 | | \$298.568 | | | | |
| Energy and Water Development \$ 2.517 P.L. 107-66 \$25.086 | \$ 23.704 | <i>H.R. 2311</i> | June 25 | June 28 | Nov. 1 | \$ 25.129 | <i>. 1171</i> | July 12 | July 19 | Nov. 1 |
| Interior \$ 18,092 P.L. 107-63 \$19.708 | \$ 18.941 | <i>H.R. 2217</i> | June 13 | June 21 | Oct. 17 | \$ 18.527 | <i>H.R. 2217</i> | June 28 | July 12 | Oct. 17 |
| Labor / HHS \$115.682 | \$119.758 | <i>H.R. 3061</i> | Oct. 9 | Oct. 11 | | \$119.000 | <i>S. 1536</i> | Oct. 11 | Nov. 6 | |
| Military Construction \$ 9.650 P.L. 107-64 \$10.5 | \$ 10.155 | <i>H.R. 2904</i> | Sept. 20 | Sept. 21 | Oct. 17 | \$ 9.649 | <i>S. 1460</i> | Sept. 25 | Sept. 26 | Oct. 18 |
| Transportation \$ 14.891 | \$ 14.893 | <i>H.R. 2299</i> | June 20 | June 26 | | \$ 15,579 | <i>S. 1178</i> | July 12 | August 1 | |
| Treasury \$ 16.488 P.L. 107-67 \$32.493 | \$ 16.880 | <i>H.R. 2590</i> | July 17 | July 30 | Oct. 31 | \$ 16.972 | <i>S. 1398</i> | July 26 | Aug 2 | Nov. 1 |
| VA/HUD \$ 83.683 P.L. 107- \$112.7 | \$ 84.159 | <i>H.R. 2620</i> | July 17 | July 31 | Nov. 8 | \$ 84.053 | <i>S. 1216</i> | July 19 | August 2 | Nov. 8 |

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ATTACHMENT B

NEW LEGISLATION OF INTEREST TO FEMP

No new legislation of interest to FEMP.

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ATTACHMENT C

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

No hearings, mark-ups, or votes of interest to FEMP have been scheduled.

HOUSE – AUTHORIZATIONS/OVERSIGHT

No hearings, mark-ups, or votes of interest to FEMP have been scheduled.

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SENATE – APPROPRIATIONS

No hearings, mark-ups, or votes of interest to FEMP have been scheduled.

SENATE – AUTHORIZATIONS/OVERSIGHT

No hearings, mark-ups, or votes of interest to FEMP have been scheduled.

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ATTACHMENT D - NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

| Technology | Manufacturer | Manufacturers Claim | Contact |
|---|--|---|--|
| Power Sources | | | |
| Series 7000 soft load transfer system | ASCO | "The system creates a gradual power shift as loads switch from one source to another, facilitating peak shaving and sharing, net metering, and power resale to the utility." | www.asco.com |
| Isolé® IDP-3050 Plug Load Control | The Watt Stopper, Inc. | "Saves energy by controlling desktop equipment" | www.wattstopper.com |
| Chillers | | | |
| CCR Series Refrigerators and Freezers | MasterBilt Products, a division of Standex International Corp. | Freezer models come standard with electronically controlled system and alarm functions, self-closing doors with a stop function, and anti-condensate door frame heaters. All meet NSF 7 criteria. | www.master-bilt.com |
| Packaged Terminal Air Conditioners | Friedrich Air Conditioning Co. | "Energy efficiencies up to 12.2 EER, mechanical thermostat limiters, and built-in dampers" | www.friedrich.com |
| Lighting | | | |
| ThinLine ballasts | Universal Lighting Technologies | "High-efficiency electronic ballasts for use with T5 lamps. . . ranging from 14 to 54 W" | www.universalballast.com |
| Biax high-output compact fluorescent lamps | GE Lighting | "High-output compact fluorescent lamps, available in 57- and 70-W versions, offer high lumen output, long life, end of life protection, and long life – (12,000 hrs)." | www.ge.com |
| Videoconference Lighting (Hi-Lite) | Navitar, Inc. | "The compact fluorescent light source in Hi-Lite requires less than 110 watts to produce the same quality light as tungsten or halogen lamps. Less energy for operation means less heat dissipation." | www.navitar.com |
| Phototimer—5700 Series | Tork | Turns on at dusk like a photocontrol; turns off during the night like a time switch | www.tork.com |
| ALTO™ Universal T8 Fluorescent Lamps | Philips Lighting | Lowers energy costs by 40% and provides light output equal to electromagnetic T12 systems – 24,000 hrs of rated life | www.philips.com |

| Technology | Manufacturer | Manufacturers Claim | Contact |
|--|--|---|--|
| LightSaver® LCD Dimming | The Watt Stopper, Inc. | Automatic dimming control module, adjustable up and down dimming rates, compatible with fluorescent lamps and dimming ballasts | www.wattstopper.com |
| LightSaver® LS-201 Light Level Sensor | The Watt Stopper, Inc. | Automatic dimming based on ambient light levels, enables maximum light output to be set for lumen maintenance | www.wattstopper.com |
| Telephone Control Module for SWS | The Watt Stopper, Inc. | “Allows building occupants to control lighting via a touch-tone phone. . . designed for use with The Watt Stopper’s Smartwired Control lighting control panels” | www.wattstopper.com |
| WI-300 Dual Relay PIR Wall Switch | The Watt Stopper, Inc. | “Passive infrared automatic wall switch that turns lighting on and off based on occupancy and ambient light levels” – Built-in light level sensor | www.wattstopper.com |
| FLATLITE Lamps | E-Lite Technologies, Inc. | “Operating costs are slashed by up to 95% over Cold Cathode, installation time and costs are reduced by up to 70%” | www.e-lite.com |
| PENTRON® HO High Output T5 Fluorescent Lamps | Osram Sylvania | “So efficient that one 54W T5/HO lamp can replace two 32W T8 lamps” | www.sylvania.com |
| MOD-U-BEAM® CHALKBOARD Series WCB606 | Legion Lighting Co., Inc. | “High efficiency with brightness control” | www.legionlighting.com |
| LED (Orion MR 16) | Bruck Lighting Systems | “Up to 100,000 hours of lamp life and can reduce energy cost by as much as 90% (compared to a standard MR16 halogen lamp)” | www.brucklighting.com |
| LightSaver® LS-201 Light Level Sensor | The Watt Stopper, Inc. | “Controls lighting based on ambient light levels” | www.wattstopper.com |
| Heaters | | | |
| Quiet-Comfort™ IIS 90 gas furnace | Heil Heating & Cooling Products, a subsidiary of International Comfort Products. | 90% efficiency rating, with two-stage operation and conventional, multi-speed PSC blowers, says the manufacturer. | www.heil-hvac.com |

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ATTACHMENT E

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **red**.

ATLANTA REGION

| DATE | EVENT | SPONSOR |
|----------------------|--|----------------------------------|
| December 3-4, 2001 | Fourth Business Case for Fuel Cells Miami, FL | Center for Business Intelligence |
| December 18-19, 2001 | Centrifugal Pumps Ft. Lauderdale, FL | National Technology Transfer |
| December 20-21, 2001 | Centrifugal Pumps Orlando, FL | National Technology Transfer |
| January 10-11, 2002 | Centrifugal Pumps Charleston, SC | National Technology Transfer |

BOSTON REGION

| DATE | EVENT | SPONSOR |
|---------------------|--|--|
| January 17-18, 2002 | Commercialization of Energy Technologies New York, NY | Center for Building Intelligence |
| March 20-23, 2002 | Building Energy 2002 Medford, MA | Northeast Sustainable Energy Association |

CHICAGO REGION

| DATE | EVENT | SPONSOR |
|--------------------------|--|------------------------------------|
| March 19-21, 2002 | Electric Power 2002 Conference & Exhibition St. Louis, MO | Electric Power 2002 |
| April 16-17, 2002 | Federal Utility Partnership Working Group Omaha, NE | FEMP |
| May 9-11, 2002 | National Conference on Building Commissioning Chicago, IL | Portland Energy Conservation, Inc. |

DENVER REGION

| DATE | EVENT | SPONSOR |
|------------------------|---|---------------------------------|
| December 3-7, 2001 | Comprehensive Five-Day Training Program for Energy Managers New Orleans, LA | Association of Energy Engineers |
| December 5-7, 2001 | 4 th Annual Interactive Energy 2001 Conference | Interactive Energy 2001 |
| May 12-15, 2002 | Eighth National Clean Cities Conference and Exposition Oklahoma City, OK | Department of Energy |

PHILADELPHIA REGION

| Date | Event | Sponsor |
|---------------------------|--|--|
| January 8-10, 2002 | Laboratories for the 21st Century Washington, DC | FEMP |
| January 15-16, 2002 | Centrifugal Pumps Williamsburg, VA | National Technology Transfer |
| January 17-18, 2002 | Centrifugal Pumps Washington, DC | National Technology Transfer |
| March 6-8, 2002 | National Facilities Management and Technology Conference & Exposition Baltimore, MD | National Facilities Management and Technology Conference |
| March 25-27, 2002 | Sixth National Symposium on Market Transformation Washington, DC | American Council for an Energy Efficient Economy |
| March 27-28, 2002 | Globalcon Energy/Facilities Management & Exposition Philadelphia, PA | Association of Energy Engineers |

SEATTLE REGION

| DATE | EVENT | SPONSOR |
|-----------------------------|---|--|
| December 10-11, 2001 | Optimizing Performance of Chilled Water and Air Distribution San Francisco, CA | Association of Energy Engineers |
| December 10-12, 2001 | World of Water Las Vegas, NV | Water World and Industrial Water World |
| December 10-14, 2001 | Comprehensive Five-Day Training Program for Energy Managers Honolulu, HI | Association of Energy Engineers |
| December 11-13 | POWER-GEN Conference Las Vegas, NV | Power Engineering Magazine |

| DATE | EVENT | SPONSOR |
|---------------------------|---|--|
| December 11-14, 2001 | Electric Transportation Industry 2001 Sacramento, CA | Electric Vehicle Association |
| January 28-29, 2002 | Reducing Your Energy Costs Conference New Orleans, LA | Center for Business Intelligence |
| February 27-March 1, 2002 | Seventh Annual National Ethanol Conference San Diego, CA | Renewable Fuels Association |
| June 2-5, 2002 | Energy 2002 Palm Springs, CA | FEMP |
| June 6-7, 2002 | West Coast Energy Management Congress Anaheim, CA | Association of Energy Engineers |
| June 15-20, 2002 | Solar 2002 Reno, NV | American Solar Energy Society |
| August 18-23, 2002 | Teaming for Efficiency Pacific Grove, CA | American Council for an Energy Efficient Economy |

INTERNATIONAL

| DATE | EVENT | SPONSOR |
|--------------------|--|----------------------------|
| December 7-8, 2001 | MTEE-21: International Symposium on the Management and Technology of Energy and the Environment Vancouver, Canada | MTEE-21 |
| March 13-15, 2002 | GLOBE 2002 – Seventh International Conference and Trade Fair on the Business of the Environment Vancouver, Canada | GLOBE Foundation of Canada |

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